

Abstract

An anode for use in zinc electrowinning is described. The anode is made of a lead-silver alloy which has been cast as a billet, rolled and subjected to heat treatment either during or after rolling. The temperature of treatment is high enough to cause recrystallization of the alloy and to prevent precipitation of any alloying elements. The anode has a surface grain structure which facilitates rapid oxidation of the anode to condition the anode. The anode preferably contains at least 0.03 to 0.45% silver and up to 0.08% calcium.

002290 20250950